

# EVOLUTION 2 (ALL TITANIUM)

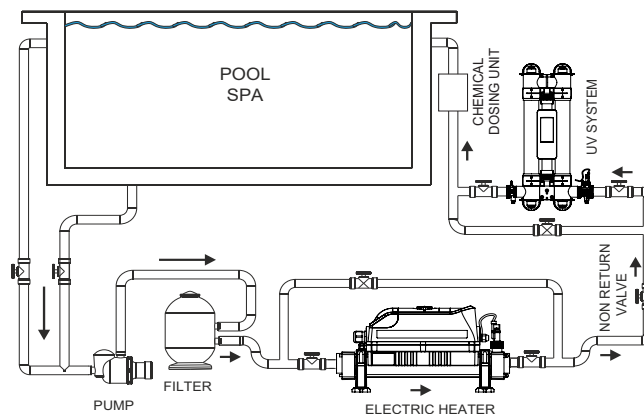
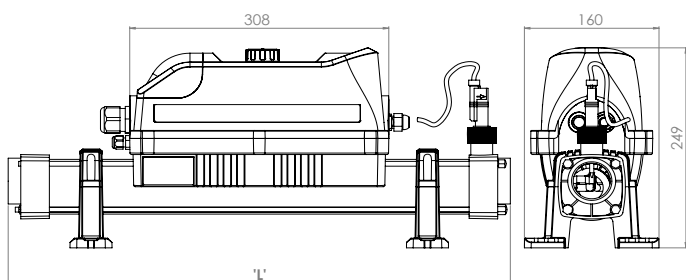
A fully titanium heater by Elecro, Evolution 2 is the upgraded version of the Evolution. It provides efficiency, safety and above all reliability to effortlessly heat your pool or spa to the desired temperature.



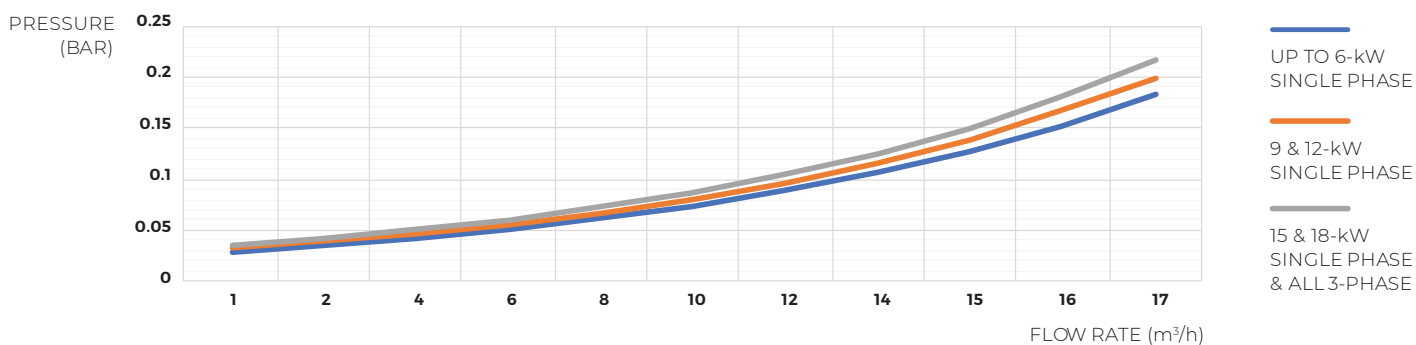
## FEATURES

- Ten power options ranging from 1-kW to 24-kW
- Easy installation, fully equipped and pre-wired
- Robust, durable construction
- Ultra-reliable flow switch allows safe operation
- Temperature thermostat and overheating sensor
- Compact, durable design
- Analogue control with 1.2°C differential or digital control with 0.5°C differential and selectable multi-lingual display
- Titanium flow tube and titanium heating element
- Can be floor or vertically wall mounted
- Vortex, long life, stay clean heating element technology
- 100% efficiency throughout the product life
- Silent operation

## TECHNICAL DRAWINGS



## PRESSURE DROP



# SPECIFICATIONS

<b>POWER SUPPLY</b>	Single phase or three phase
<b>FLOW REQUIREMENTS</b>	Minimum flow: 1-kW to 6-kW, 1m <sup>3</sup> /h Minimum flow: 9-kW to 24-kW, 4m <sup>3</sup> /h Maximum flow: 17m <sup>3</sup> /h
<b>HEATING ELEMENTS</b>	Grade 1 titanium
<b>FLOW TUBE</b>	Grade 1 titanium
<b>CONTROL THERMOSTAT</b>	Analogue: 0 > 45°C (1.2°C diferencial) Digital: 0 > 45°C (0.5°C diferencial)
<b>SAFETY THERMAL CUT OUT</b>	60°C (manual reset)
<b>FLOW SWITCH</b>	Gold tipped reed switch with titanium fulcrum pin
<b>CONTACTOR</b>	Siemens 3RT2023 or 3RT2027
<b>SEALS</b>	High temperature special formula EPDM ferrules, TPE end fitting gaskets
<b>WATER CONNECTIONS</b>	1.5" BSP female thread supplied with 1½" / 50mm stepped ABS unions for rigid pipe and 1½" / 1¼" stepped hose tails for flexible pipe
<b>INTERNATIONAL PROTECTION MARKING</b>	IP44
<b>FREQUENCY</b>	50/60 Hz
<b>WORKING PRESSURE</b>	4 bar maximum
<b>MOUNTING</b>	Floor or wall mounting

# MODELS

220-240V 1-PHASE	LOAD	PRODUCT CODES		DIMENSION 'L'	NET WEIGHT	GROSS WEIGHT	VOLUME
		Analogue	Digital				
Power Output	Amp			mm	kg	kg	m <sup>3</sup>
1-kW	6	E2-1-1	E2D-1-1	462	4.3	5.5	0.059
2-kW	9	E2-1-2	E2D-1-2	462	4.3	5.5	0.059
3-kW	13	E2-1-3	E2D-1-3	462	4.3	5.5	0.059
4.5-kW	20	E2-1-4	E2D-1-4	462	4.3	5.5	0.059
6-kW	27	E2-1-6	E2D-1-6	462	4.3	5.5	0.059
9-kW	40	E2-1-9	E2D-1-9	462	4.6	5.8	0.059
12-kW	53	E2-1-12	E2D-1-12	462	4.6	5.8	0.059
15-kW	66	E2-1-15	E2D-1-15	462	5.4	6.6	0.059
18-kW	79	E2-1-18	E2D-1-18	462	5.4	6.6	0.059

## VERSATILE 230-400V\*

6-kW	27/9	E2-V-6	E2D-V-6	592	5.4	6.6	0.059
9-kW	40/13	E2-V-9	E2D-V-9	592	5.4	6.6	0.059
12-kW	53/18	E2-V-12	E2D-V-12	592	5.4	6.6	0.059

## 400V 3-PHASE \*

15-kW	22	E2-3-15	E2D-3-15	592	5.4	6.6	0.059
18-kW	26	E2-3-18	E2D-3-18	592	5.4	6.6	0.059
24-kW	35	E2-3-24	E2D-3-24	592	5.4	6.6	0.059

## 220-230V 3-PHASE \*

6-kW	15	E2-3-6-D	E2D-3-6-D	592	5.4	6.6	0.059
9-kW	23	E2-3-9-D	E2D-3-9-D	592	5.4	6.6	0.059
12-kW	30	E2-3-12-D	E2D-3-12-D	592	5.4	6.6	0.059
15-kW	38	E2-3-15-D	E2D-3-15-D	592	5.4	6.6	0.059
18-kW	46	E2-3-18-D	E2D-3-18-D	592	5.4	6.6	0.059

\* For voltages other than 400V please add: -380 or -415 at the end of a product code e.g: E2-3-15-380  
For any other voltages or custom builds, please contact our sales team [sales@elecro.co.uk](mailto:sales@elecro.co.uk)